

- 22 -

## WHAT IS CLAIMED IS:

1. A disposable diaper having a front waist region, a rear waist region and a crotch region, comprising:

5 a basic absorbent batt structure having a liquid-pervious body facing surface and a liquid-impervious garment facing surface;

at least one supplementary absorbent batt structure having a liquid-pervious body facing surface and an opposite  
10 inner surface;

said supplementary absorbent batt structure being placed upon the body facing surface of said basic absorbent batt structure so as to extend from said front waist region toward said crotch region;

15 said basic absorbent batt structure being formed in a transversely middle region of the body facing surface thereof with a cavity so as to extend from said crotch region toward said front waist region and said supplementary absorbent batt structure covering an upper opening of said cavity which extends  
20 in said front waist region and partially covering said upper opening of said cavity which extends in said crotch region; and

feces receiving space being formed between said supplementary absorbent batt structure and said cavity so as

- 23 -

to extend from said crotch region toward said front waist region and said upper opening of said cavity being partially uncovered in said crotch region to define an inlet being contiguous to said feces receiving space.

5

2. A disposable diaper according to Claim 1, wherein said basic absorbent batt structure comprises a liquid-pervious topsheet defining said body facing surface thereof, a liquid-impervious backsheet defining said garment facing surface thereof and a liquid-absorbent first core disposed therebetween.

10

3. A disposable diaper according to Claim 1, wherein said supplementary absorbent batt structure comprises a liquid-absorbent second core and a liquid-pervious sheet covering at least a body facing surface of said second core.

15

4. A disposable diaper according to Claim 1, a barrier cuff extends outwardly of each of said supplementary absorbent batt structure.

20

5. A disposable diaper according to Claim 1, wherein barrier cuffs are elasticized by elastic members secured along said

- 24 -

distal edge portions thereof.

6. A disposable diaper according to Claim 4, wherein said distal edge portions of said barrier cuffs are positioned inwardly of said proximal edge portions of said barrier cuffs.

7. A disposable diaper according to Claim 4, wherein said basic absorbent batt structure comprises a pair of elasticized side flaps extending outwardly from transversely opposite side edges of said first core.

8. A disposable diaper according to Claim 7, wherein said side flaps are elasticized by elastic members secured therealong.

9. A disposable diaper according to Claim 7, wherein said proximal edge portions of said barrier cuffs are joined onto said side flaps.

10. A disposable diaper according to Claim 1, further comprising:

a second supplementary absorbent batt structure having a body facing surface and an opposite inner surface which is

- 25 -

at least partially covered with a liquid-pervious sheet and extends from said rear waist region toward said crotch region on the body facing surface of said basic absorbent batt structure, said cavity formed in the transversely middle region of said basic absorbent batt structure so as to extend from said crotch region toward said front and rear waist regions having the upper opening of said cavity of covered with said second supplementary absorbent batt structure in said rear waist region and partially covered with said second supplementary absorbent batt structure in said crotch region; and

a second feces receiving space formed between said second supplementary absorbent batt structure and said cavity so as to extend from said crotch region toward said rear waist region wherein said feces inlet being contiguous to said feces receiving space and said second feces receiving space is formed between said two supplementary absorbent batt structure.

11. A disposable diaper according to Claim 1, wherein a plurality of walls protruding upward from the bottom of said cavity at a height substantially corresponding to a depth of said cavity extend in the longitudinal direction on the body facing surface of said basic absorbent batt structure and transversely spaced one from another by a given interval so that

-26-

said cavity is transversely divided by said walls.

12. A disposable diaper according to Claim 11, wherein said walls extend in said crotch region but not in said front and rear waist regions.

5

2001-038551